

(f)(1) The Administrator may modify the information submission requirements of paragraph (d) of this section, provided that all of the information specified therein is maintained by the engine manufacturer as required by § 89.124-96, and amended, updated, or corrected as necessary.

(2) For the purposes of this paragraph, § 89.124-96(a)(1) includes all information specified in paragraph (d) of this section whether or not such information is actually submitted to the Administrator for any particular model year.

(3) The Administrator may review an engine manufacturer's records at any time. At the Administrator's discretion, this review may take place either at the manufacturer's facility or at another facility designated by the Administrator.

[59 FR 31335, June 17, 1994, as amended at 61 FR 20741, May 8, 1996]

EFFECTIVE DATE NOTE: At 61 FR 20741, May 8, 1996, § 89.115-96 was amended by revising paragraph (d)(5), redesignating the second paragraph (b) which follows paragraph (d)(10) as paragraph (e), and adding paragraph (f), effective July 8, 1996. For the convenience of the user, the superseded text is set forth as follows:

**§ 89.115-96 Application for certificate.**

\* \* \* \* \*

(d) \* \* \*

(5) The description of the operating cycle and the period of operation necessary to accumulate service hours on test engines and stabilize emission levels;

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**§ 89.116-96 Engine families.**

(a) A manufacturer's product line is divided into engine families that are comprised of engines expected to have similar emission characteristics throughout their useful life periods.

(b) The following characteristics distinguish engine families:

- (1) Fuel;
- (2) Cooling medium;
- (3) Method of air aspiration;
- (4) Method of exhaust aftertreatment (for example, catalytic converter or particulate trap);
- (5) Combustion chamber design;

- (6) Bore;
- (7) Stroke;
- (8) Number of cylinders, (engines with aftertreatment devices only); and
- (9) Cylinder arrangement (engines with aftertreatment devices only).

(c) Upon a showing by the manufacturer that the useful life period emission characteristics are expected to be similar, engines differing in one or more of the characteristics in paragraph (b) of this section may be grouped in the same engine family.

(d) Upon a showing by the manufacturer that the expected useful life period emission characteristics will be different, engines identical in all the characteristics of paragraph (b) of this section may be divided into separate engine families.

**§ 89.117-96 Test fleet selection.**

(a) The manufacturer must select for testing, from each engine family, the engine with the most fuel injected per stroke of an injector at maximum power.

(b) Each engine in the test fleet must be constructed to be representative of production engines.

(c) After review of the manufacturer's test fleet, the Administrator may select from the available fleet one additional test engine from each engine family.

**§ 89.118-96 Service accumulation.**

(a)(1) Each test engine in the test fleet must be operated with all emission control systems operating properly for a period sufficient to stabilize emissions.

(2) A manufacturer may elect to consider as stabilized emission levels from engines with no more than 125 hours of service.

(b) No maintenance, other than recommended lubrication and filter changes, may be performed during service accumulation without the Administrator's approval.

(c) Service accumulation should be performed in a manner using good engineering judgment to ensure that emissions are representative of in-use engines.

(d) The manufacturer must maintain, and provide to the Administrator if requested, records stating the rationale